Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/02/2014 12:32 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/31/2014 10:52 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124999	-1	1.39	124840	1.12
Blue	F	SSC	125000	123423	-2	3.11	123220	2.56
Blue	E	FITC	18287	17704	-4	1.79	802	7.98
Blue	D	PE	25829	25330	-2	1.46	944	7.37
Blue	B	PerCP-Cy5-5	46664	45786	-2	2.68	1563	12.04
Blue	A	PE-Cy7	45313	44627	-2	4.65	971	22.48
Red	C	APC	50625	49362	-3	2.33	2885	8.19
Red	A	APC-Cy7	50689	49811	-2	2.75	1572	8.53
Violet	B	V450	13569	13225	-3	1.73	795	6.13
Violet	A	V500	56861	55710	-3	1.51	2699	4.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20516	2.73	566	7	N/A	N/A	Pass
Blue	F	SSC	60150	1.48	475	3	N/A	N/A	Pass
Blue	E	FITC	97	32.73	496	0	0.0378	375	Pass
Blue	D	PE	209	21.57	495	1	0.2860	222	Pass
Blue	B	PerCP-Cy5-5	213	33.54	572	0	0.0159	55	Pass
Blue	A	PE-Cy7	86	78.49	633	0	0.0218	16	Pass
Red	C	APC	326	24.62	564	-1	0.0283	166	Pass
Red	A	APC-Cy7	135	32.12	546	0	0.0072	1571	Pass
Violet	B	V450	84	38.26	442	0	0.0812	3593	Pass
Violet	A	V500	186	22.53	476	0	0.0227	1978	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.59	-31.31	0.91
Blue	20.47	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.27
Red	17.64	13.07 - 19.61	N/A	N/A	31.79	32.10	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13148

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments